

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L4 | 21 | ((cholesteric near3 liquid near3 crystal) and (defect adj3 layer) and anisotropic and (polyamide or polyvinyl or silane)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/06/09 09:40 |
| L3 | 1 | "372"/\$\$\$ccls. and ((cholesteric near3 liquid near3 crystal) and (defect adj3 layer) and anisotropic and (polyamide or polyvinyl or silane)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/06/09 09:40 |
| S370 | 21 | (cholesteric near3 liquid near3 crystal) and (defect adj3 layer) and anisotropic and polyimide | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/04/30 16:28 |
| S369 | 28 | (cholesteric near3 liquid near3 crystal) and (defect adj3 layer) and anisotropic | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/04/30 16:25 |
| S368 | 71 | (cholesteric near3 liquid near3 crystal) and (defect adj3 layer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/04/30 16:24 |
| S367 | 6 | "372"/\$\$\$ccls. and (cholesteric near3 liquid near3 crystal) and (defect adj3 layer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/04/30 16:23 |
| S366 | 0 | ((clear or transparent) near3 substrate) and S363 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/04/30 16:15 |
| S365 | 0 | (fim or polyimide) and S363 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/04/30 16:14 |

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| S36 4 | 0 | (fim and polyimide) and S363 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/04/30 16:14 |
| S36 3 | 2 | "20020118710" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/04/30 16:13 |
| S36 1 | 7 | 349/158.ccls. and ((nematic adj3 liquid adj3 crystal) and (defect adj3 layer)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/10 19:31 |
| S36 0 | 267 | (nematic adj3 liquid adj3 crystal) and (defect adj3 layer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/10 19:30 |
| S35 9 | 0 | nematic adj3 crystal adj3 crystal | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/10 19:28 |
| S35 8 | 54 | nematic adj3 crystal adj3 laser | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/10 19:28 |
| S35 7 | 6 | (nematic adj3 liquid adj3 crystal) and (cholesteric adj3 liquid adj3 crystal) and (organic dj3 dye) and director and Kopp | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/05 13:38 |
| S35 6 | 539 | (nematic adj3 liquid adj3 crystal) and (cholesteric adj3 liquid adj3 crystal) and (organic dj3 dye) and director | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/05 13:14 |

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| S35 5 | 3286 | (nematic adj3 liquid adj3 crystal) and (cholesteric adj3 liquid adj3 crystal) and (organic dj3 dye) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/05 13:13 |
| S35 4 | 5005 | (nematic adj3 liquid adj3 crystal) and (cholesteric adj3 liquid adj3 crystal) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/05 13:12 |
| S35 3 | 30058 | (nematic adj3 liquid adj3 crystal) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/05 13:12 |
| S35 2 | 30058 | nematic adj3 liquid adj3 crystal | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/05 13:12 |
| S35 1 | 0 | LEM and S350 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/05 11:30 |
| S35 0 | 2 | ("20020118710").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/06/05 11:30 |
| S34 9 | 619 | 372/39.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/05 07:52 |
| S34 8 | 2 | ("20020118710").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/06/05 07:51 |

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| S34 7 | 884 | 257/80.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/05 07:27 |
| S34 6 | 667 | 257/80.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/06/05 07:27 |
| S34 5 | 44 | ("20010033136" "20010036212" "20010038102" "20010043627" "20020003827" "20020009274" "20020018620" "20020118710" "20020131707" "20030018097" "20030021913" "20030027017" "20030072966" "20040007969" "20040155238" "20050006999" "5142192" "5365541" "5406573" "5479275" "5537000" "5559400" "5847506" "6072275" "6075317" "6091195" "6091197" "6097147" "6142643" "6160828" "6259423" "6280559" "6304366" "6330111" "6330265" "6352359" "6396859" "6404789" "6411635" "6433355" "6541911" "6661480" "6830831" "6867243").PN. OR ("7335921").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/06/05 07:25 |
| S34 4 | 6 | ("20010036212").PN. OR ("6396859"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/06/05 07:24 |
| S34 3 | 2 | ("6396859").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/06/05 07:23 |
| S34 2 | 109 | 372/51.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/04 16:33 |
| S34 1 | 2 | 372/51.ccls. and ((cholesteric adj3 liquid adj3 crystal) and fluorescence) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/04 16:28 |

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|------|------|---|---|----|----|------------------|
| S340 | 9 | 372/53.ccls. and ((cholesteric adj3 liquid adj3 crystal)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/04 16:27 |
| S339 | 328 | 372/53.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/04 16:26 |
| S338 | 503 | 372/93.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/04 15:27 |
| S337 | 993 | 372/94.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/04 14:55 |
| S336 | 1547 | 372/96.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/04 14:40 |
| S335 | 0 | 372/49.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/04 14:39 |

EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|----------------|------------------|---------|------------------|
| L5 | 3 | ((cholesteric near3 liquid near3 crystal) and (defect adj3 layer) and anisotropic and (polyamide or polyvinyl or silane)) | USPAT; UPAD | OR | ON | 2010/06/09 09:40 |
| L2 | 0 | "372"/\$\$\$ccls. and ((cholesteric near3 liquid near3 crystal) and (defect adj3 layer) and anisotropic and (polyamide or polyvinyl or silane)) | USPAT; UPAD | OR | ON | 2010/06/09 09:39 |

EAST Search History (I nterference)

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| S37 2 | 3 | (cholesteric near3 liquid near3 crystal) and (defect adj3 layer) and anisotropic and polyimide | USPAT; UPAD | OR | ON | 2010/04/30 16:56 |
| S37 1 | 24 | (cholesteric near3 liquid near3 crystal) and (defect adj3 layer) | USPAT; UPAD | OR | ON | 2010/04/30 16:25 |